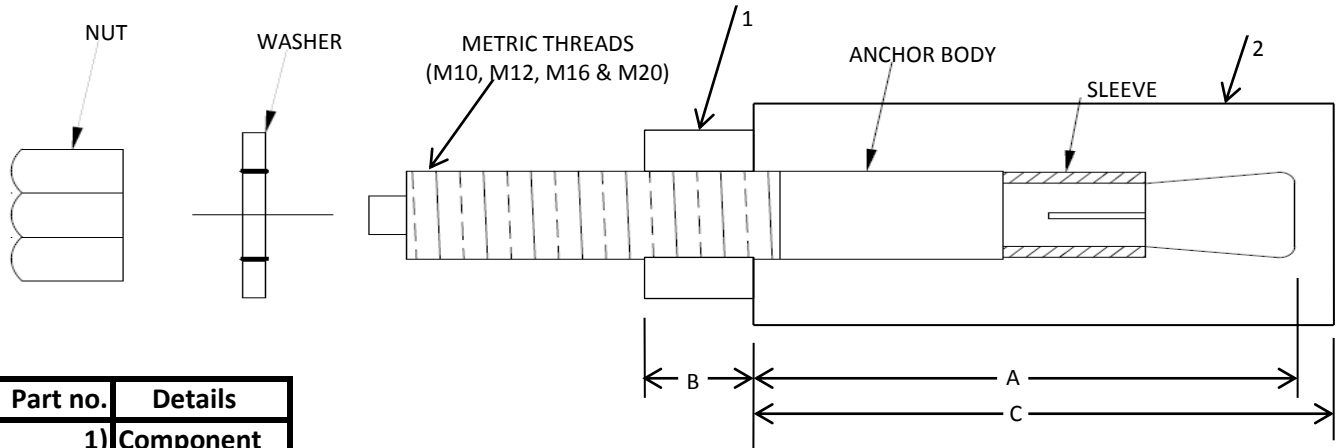


# DESIGN DETAILS

(MECHANICAL ANCHORS "GRIPPEX M")



| Part no. | Details   |
|----------|-----------|
| 1)       | Component |
| 2)       | Structure |

| Thread size | Embedded length (A) (Min.) | Component thickness (B) (Max.) | Thickness of structure (C) (Min) | Max. Tensile strength KN | Max. Shear strength KN | Max. Bending Moment N-Mt. | Max. Torque Mt-N | Min. clearance from edge | Min. axial spacing |
|-------------|----------------------------|--------------------------------|----------------------------------|--------------------------|------------------------|---------------------------|------------------|--------------------------|--------------------|
| M10 X 75    | 57                         | 6                              | 95                               | 5.89                     | 8.13                   | 41.97                     | 29.68            | 60                       | 50                 |
| M10 X 100   | 67                         | 15                             |                                  |                          |                        | 49.33                     |                  |                          |                    |
| M10 X 125   | 67                         | 20                             |                                  |                          |                        | 49.33                     |                  |                          |                    |
| M12 X 75    | 57                         | 8                              | 110                              | 8.31                     | 11.72                  | 59.21                     | 37.74            | 75                       | 75                 |
| M12 X 100   | 67                         | 20                             |                                  |                          |                        | 69.6                      |                  |                          |                    |
| M12 X 125   | 82                         | 30                             |                                  |                          |                        | 85.18                     |                  |                          |                    |
| M12 X 150   | 82                         | 55                             |                                  |                          |                        | 85.18                     |                  |                          |                    |
| M16 X 100   | 72                         | 10                             | 130                              | 12.98                    | 21.1                   | 116.82                    | 87.74            | 100                      | 85                 |
| M16 X 125   | 82                         | 20                             |                                  |                          |                        | 133.05                    |                  |                          |                    |
| M16 X 150   | 82                         | 50                             |                                  |                          |                        | 133.05                    |                  |                          |                    |
| M20 X 125   | 92                         | 12                             | 180                              | 20.63                    | 33.3                   | 237.25                    | 174.71           | 125                      | 125                |
| M20 X 150   | 107                        | 20                             |                                  |                          |                        | 275.93                    |                  |                          |                    |
| M20 X 175   | 107                        | 45                             |                                  |                          |                        | 275.93                    |                  |                          |                    |
| M20 X 200   | 107                        | 70                             |                                  |                          |                        | 275.93                    |                  |                          |                    |

p.s.:

1. All specified dimensions are in mm.

2. KN stands for kilo-Newton